Performance Data Sheet

AVA9528ZXT

General Information

Model	AVA9528ZXT	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	46700	42700	38700	34500	30200	25600	20700
	Watts	4100	4200	4310	4410	4530	4670	4820
	Amps	12.0	12.2	12.5	12.7	13.0	13.3	13.7
	Lb/h	749	723	696	666	632	593	548
25	Btu/h	53900	49200	44600	40000	35400	30600	25700
	Watts	4120	4270	4420	4560	4700	4840	5000
	Amps	12.0	12.4	12.7	13.1	13.4	13.8	14.2
	Lb/h	871	839	808	778	747	714	676
30	Btu/h	61000	55300	49900	44600	39400	34300	29200
	Watts	4160	4390	4590	4780	4970	5140	5310
	Amps	12.1	12.6	13.1	13.6	14.1	14.5	14.9
	Lb/h	993	950	911	876	842	809	775
35	Btu/h	68400	61500	55000	48800	42800	37100	31400
	Watts	4210	4520	4810	5070	5310	5530	5740
	Amps	12.2	12.9	13.6	14.3	14.9	15.4	16.0
	Lb/h	1120	1070	1010	967	926	888	852
40	Btu/h	76600	68200	60400	53000	46000	39300	32900
	Watts	4210	4630	5020	5370	5690	5980	6250
	Amps	12.2	13.2	14.2	15.0	15.8	16.5	17.2
	Lb/h	1270	1190	1120	1060	1010	958	915
45	Btu/h	85900	75900	66400	57600	49300	41400	34000
	Watts	4150	4700	5200	5660	6080	6460	6800
	Amps	12.0	13.4	14.6	15.7	16.8	17.7	18.6
	Lb/h	1450	1340	1250	1160	1090	1030	974
50	Btu/h	96900	84900	73600	63100	53200	43900	35200
	Watts	3990	4690	5330	5910	6440	6930	7370
	Amps	11.6	13.3	14.9	16.4	17.7	18.9	20.0
	Lb/h	1650	1520	1390	1290	1190	1110	1040

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.408310E+04	5.373486E+03	1.535080E+01	2.344193E+02
C2	2.869073E+03	-1.237387E+02	-3.144426E-01	3.811426E+01

C3	-1.097525E+02	-1.139578E+01	-2.978692E-02	-9.920924E-02
C4	-3.118656E+00	6.957307E-01	1.727942E-03	-1.988356E-02
C5	-1.536556E+01	1.133419E+00	2.847430E-03	-1.438816E-01
C6	-1.436630E-01	1.692722E-02	3.703602E-05	-2.256136E-03
C7	5.636334E-01	-4.219304E-02	-1.040492E-04	1.112213E-02
C8	-5.095000E-01	3.786734E-02	9.364012E-05	-1.008707E-02
C9	1.417670E-01	-1.047086E-02	-2.595792E-05	2.815092E-03
C10	-1.087698E-02	7.488936E-04	1.900235E-06	-2.213178E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AVA9528ZXT

General Information

Model	AVA9528ZXT	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
0	Btu/h	27500	24700	21900	19100	16300	13500	10700
	Watts	3410	3440	3460	3490	3510	3530	3550
	Amps	10.4	10.5	10.5	10.6	10.6	10.6	10.7
	Lb/h	481	455	429	403	376	350	323
5	Btu/h	32100	28900	25600	22400	19200	15900	12700
	Watts	3600	3650	3700	3740	3780	3820	3860
	Amps	10.8	10.9	11.0	11.1	11.2	11.3	11.4
	Lb/h	561	532	502	473	443	413	383
10	Btu/h	36900	33200	29500	25800	22100	18400	14700
	Watts	3810	3880	3950	4020	4080	4140	4200
	Amps	11.3	11.4	11.6	11.8	11.9	12.0	12.2
	Lb/h	647	614	581	548	515	482	449
15	Btu/h	41900	37600	33400	29300	25100	20900	16800
	Watts	4010	4110	4210	4300	4390	4480	4560
	Amps	11.7	12.0	12.2	12.4	12.6	12.8	13.0
	Lb/h	741	704	667	630	593	556	520
20	Btu/h	47100	42400	37700	33000	28300	23700	19000
	Watts	4190	4320	4450	4580	4700	4820	4930
	Amps	12.1	12.4	12.7	13.0	13.3	13.6	13.8
	Lb/h	842	801	760	719	678	638	597
25	Btu/h	52700	47400	42200	37000	31800	26600	21500
	Watts	4340	4510	4680	4840	4990	5140	5280
	Amps	12.5	12.9	13.3	13.6	14.0	14.3	14.6
	Lb/h	951	906	861	816	771	726	682
30	Btu/h	58700	52900	47100	41400	35600	29900	24300
	Watts	4440	4650	4860	5050	5250	5430	5610
	Amps	12.8	13.3	13.7	14.2	14.6	15.0	15.4
	Lb/h	1070	1020	971	921	872	823	774

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.998668E+04	3.178079E+03	9.907908E+00	6.883035E+02
C2	1.650448E+03	1.303654E+00	-4.041037E-03	2.098794E+01

C3	-2.801042E+02	2.639786E+00	5.621252E-03	-2.588993E+00
C4	4.276577E+00	-1.092395E-01	-4.188365E-05	1.443423E-01
C5	-9.465995E+00	5.023783E-01	1.159340E-03	-7.354227E-02
C6	-2.306170E-02	6.949445E-03	1.498522E-05	2.475126E-04
C7	1.064833E-01	-1.949129E-02	-3.502619E-05	9.889212E-04
C8	-4.314567E-02	7.689740E-03	1.376180E-05	-4.195576E-04
C9	4.298343E-03	-7.317358E-04	-1.294805E-06	4.544820E-05
C10	1.376812E-04	-4.944924E-05	-1.102658E-07	-2.716722E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature